

Title (en)

Conductive elastomeric interface for a pin grid array.

Title (de)

Leitende elastomerische Verbindung für Stiftgitterreihen.

Title (fr)

Connexion élastomère conductible pour un réseau de broches.

Publication

**EP 0583681 A1 19940223 (EN)**

Application

**EP 93112438 A 19930803**

Priority

US 93087392 A 19920814

Abstract (en)

An electrical interface connects a conductive pins to a printed circuit board. The electrical interface includes an elastomer holder having a plurality of holes. Elastomer conductors are placed in the plurality of holes within the elastomer holder. The elastomer holder is then attached to the printed circuit board so that each elastomer conductor comes into contact with a conductive pad on the printed circuit board. The conductive pins are placed in electrical contact with the elastomer conductors, for example, through a conductive socket. In the preferred embodiment the elastomer holder is composed of printed circuit board material. Before the elastomer holder is connected to the printed circuit board, the elastomer conductors are held in the holes in the elastomer holder using a throw-away retainer. <IMAGE>

IPC 1-7

**H01R 13/24**

IPC 8 full level

**H01R 12/04** (2006.01); **H01R 12/71** (2011.01); **H01R 13/24** (2006.01); **H05K 7/10** (2006.01)

CPC (source: EP US)

**H01R 12/714** (2013.01 - EP US); **H01R 13/2414** (2013.01 - EP US); **H05K 7/1061** (2013.01 - EP US)

Citation (search report)

- [Y] WO 9014750 A1 19901129 - LABINAL COMPONENTS & SYSTEMS [US]
- [Y] DE 9105961 U1 19920611
- [A] US 4912401 A 19900327 - NADY II ANTHONY M [US], et al

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0583681 A1 19940223**; **EP 0583681 B1 19961009**; DE 69305288 D1 19961114; DE 69305288 T2 19970213; JP 3510650 B2 20040329; JP H06163098 A 19940610; US 5380212 A 19950110

DOCDB simple family (application)

**EP 93112438 A 19930803**; DE 69305288 T 19930803; JP 20052293 A 19930812; US 7000293 A 19930528